

Name: _____

Date: _____

PC: More Vertex Form Practice

Ms. Loughran

Put each of the following quadratics in vertex form, make a graph of each and then find all of the following for each:

- (a) the vertex
- (b) the axis of symmetry
- (c) the x -intercepts, if any
- (d) the y -intercepts
- (e) the domain
- (f) the range

1. $y = x^2 + 2x - 2$

2. $y = -x^2 + 2x + 1$

3. $y = 2x^2 + 8x + 5$

4. $y = -2x^2 + 8x - 9$

5. $y = 3x^2 - 6x + 4$

6. $y = -x^2 - 6x - 11$